

CENTRAL INTELLIGENCE AGENCY

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COUNTRY East Germany

SUBJECT Werk fuer Fernmeldewesen HF Development of
Detectors and Transistors

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2. In October 1952, Dr. Bingel (fnu), a physico-chemist, was the chief of the 40-man department for the development of detectors and transistors of the Werk fuer Fernmeldewesen HF (HF plant for telecommunications) in Berlin-Oberschoeneweide.¹ He was assisted by Engineer Fritz Hellwig who had gained experience on the development of transistors in the USSR as an assistant to Dr. Joachim Schloechmilch.
3. The department received 450,000 eastmarks for development purposes from the Amt fuer Technik und Wissenschaft (Office for Technology and Science) in 1952 and developed transistors and germanium diodes for wave lengths of 3 to 20 cm.
3. The department also manufactured diodes for the Sachsenwerk Radeberg. Production of these diodes was scheduled to be taken over by the RFT-Dralowidwerk in Toltow at a later date.
4. The works were supplied with germanium by Professor Frowein (fnu) in Dresden.²

1. Comment. Previous reports indicated that a laboratory for semi-conductors to be directed by Dr. Bingel had been established in the research department of the HF plant on 20 October 1952.

2. Comment. Up to early 1952, Dr. Bingel had not succeeded in obtaining germanium of the necessary degree of purity. Twenty transistors were scheduled to be manufactured in April, May, and June 1952, according to the development program.

CLASSIFICATION

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